

Please type a plus sign (+) inside this box +

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	09/806,193
Filing Date	January 9, 2002
First Named Inventor	Jot, Jean-Marc
Group Art Unit	2643
Examiner Name	Unassigned
Attorney Docket Number	017002-012720US

**RECEIVED**

APR 09 2002  
Technology Center 2600

OIPE

APR 08 2002

U.S. PATENT & TRADEMARK OFFICE

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JK	AA	5,436,975		Lowe et al.	07/25/1995	
JK	AB	5,500,900		Chen et al.	03/19/1996	
JK	AC	5,521,981		Gehring	05/28/1996	
JK	AD	5,596,644		Abel et al.	01/21/1997	
JK	AE	5,802,180		Abel et al.	09/01/1998	
JK	AF	5,809,149		Cashion et al.	09/15/1998	
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	AU		WO 95 31881		Crystal River Eng.	11/23/1995	
	AV						
	AW						
	AX						
	AY						
	AZ						

Examiner Signature

*Jean Marc*

Date Considered

9/29/05

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See attached Kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the date (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual. Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3181092 v1

Please type a plus sign (+) inside this box →

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

OIRF

Sheet 2 of 2

Complete If Known

Application Number	09/806,193
Filing Date	January 9, 2002
First Named Inventor	Jot, Jean-Marc
Group Art Unit	2643
Examiner Name	Unassigned

RECEIVED

APR 09 2002

Technology Center 2600

Attorney Docket Number 017002-012720US



### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T. <sup>2</sup>
JK	BA	JEFFREY S. BAMFORD, et al., Ambisonic Sound for Us, Presented at the 99th Conv. Audio Eng. Soc. (preprint 4138).	
JK	BB	JOHN M. CHOWNING, The Simulation of Moving Sound Sources, J. Audio Eng. Soc. January 1971, Vol. 19, No. 1, pp. 2-6.	
JK	BC	MICHAEL J. EVANS, et al., Spherical Harmonic Spectra of Head-Related Transfer Functions, Presented at the 103rd Conv. Audio Eng. Soc. (preprint 4571), September, 1997, New York.	
JK	BD	KEN FARRAR, Soundfield Microphone, Wireless World, October, 1979, pp. 48-50.	
JK	BE	KEN FARRAR, Soundfield Microphone - 2, Wireless World, November, 1979, pp 99-102	
JK	BF	MICHAEL A. GERZON, Ambisonics in Multichannel Broadcasting and Video, J. Audio Eng. Soc., Vol. 33, No. 11, November, 1985, pp. 859-871.	
JK	BG	JEAN-MARC JOT, et al., A Comparative Study of 3-D Audio Encoding and Rendering Techniques, AES 16th Int'l. Conf. on Spatial Sound Reproduction.	
JK	BH	JEAN-MARC JOT, et al., Digital Signal Processing Issues in the Context of Binaural and Transaural Stereophony, Presented at the 98th Conv. Audio Eng. Soc. (preprint 3980), February 1995, Paris, France.	
JK	BI	DORIS J. KISTLER, et al., A Model of Head-Related Transfer Functions Based on Principal Components Analysis and Minimum-Phase Reconstruction, J. Acoust. Soc. Am. Vol. 91, No. 3, March, 1992, pp. 1637-1647.	
JK	BJ	M. MAROLT, Proc. IEEE 1995 Workshop on Applications of Signal Processing to Audio and Acoustics, October 15-18, New York.	
JK	BK	VILLE PULKKI, Virtual Sound Source Positioning Using Vector Base Amplitude Panning, J. Audio Eng. Soc., Vol. 45, No. 6, June, 1997, pp. 456-466.	
JK	BL	WILLIAM L. MARTEENS, Principal Components Analysis and Resynthesis of Spectral Cues to Perceived Direction, 1987 ICMC Proceedings, August, 1987, Illinois, pp. 274-281	
JK	BM	CHRIS TRAVIS, Virtual Reality Perspective on Headphone Audio, Presented at 101st Conv. Audio Eng. Soc. (preprint 4354)	
JK	BN	WILLIAM G. GARDNER, 3-D Audio Using Loudspeakers Submitted to the Program in Media Arts and Sciences, September, 1997.	

Examiner  
Signature

Date  
Considered

9/29/05

EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3181092 v1